

**SURFACE**  
**RECOMMENDED MINIMUM SAFETY PRECAUTIONS**  
**to mine within 200 feet of Gas and Oil Assets**  
(Gas / Oil Wells, Gas Pipelines, Gas Compressor Stations and Transmission Lines)

1. A mine map depicting the pit development areas and known gas wells, gathering lines, compression stations, and gathering lines will be part of the employee training and posted at all times for review at the designated mine office. Such map will be updated as needed and certified semi-annually.
2. All mine employees or contractors on the property will be trained in the contents of this plan and actions required by the plan. A record of this training will be kept at the mine for not less than one year.
3. All mine employees or contractors working on the premises will be trained in the potential hazards associated with operating surface equipment around gas wells and pipelines and the contents of this plan. A record of the training will be kept at the mine site for not less than one year.
4. All employees will be trained in proper emergency response procedures should a gas well or pipeline be accidentally damaged or ruptured while operating equipment. A record of the training will be kept at the mine site for not less than one year.
5. No smoking or open flames will be permitted near gas wells or pipelines at any time.
6. Properly maintained and calibrated gas detection equipment will be available where work around gas wells or pipelines are planned.
7. Gas wells will be marked with flagging or florescent painted signs placed at a height of at least six (6) feet above the ground level. If equipment is operated at night or at other times of poor visibility, strobe lights or other effective means will be used in addition to the flagging. If conditions allow, a four (4) foot high earthen berm will be provided between the equipment work area and no closer than 25 feet to the gas well.

8. Pipelines will be marked at intervals not to exceed 30 feet with flagging or florescent painted signs placed at a height of at least six (6) feet above the ground level. If equipment is operated at night or at other times of poor visibility strobe lights or other effective means will be used in addition to the flagging. If conditions will allow, a minimum four (4) foot high earthen berm will be provided between the equipment work area and no closer than 10 feet to the pipeline.
9. If the surface mine foreman determines during pre-shift examinations that equipment to be operated will approach gas wells or pipelines such that a potential hazardous condition could exist, the foreman will instruct equipment operators to dismount and familiarize him with the location of these structures prior to beginning work.
10. Before starting any blasting, gas wells and pipelines will be adequately protected from damage from “fly rock” or other material. Only those engaged in installing or removing protective measures will be in the vicinity of a gas well or pipeline while those measures are being installed or removed. A certified surface foreman will supervise the installation and removal of protective measures.
11. Pipelines may be purged and disconnected or covered with protective material or other no less effective means to protect from the effects of blasting.
12. Before starting any blasting, wellheads and associated piping will be protected with a substantial cover that is lined with non-sparking material. The cover will have ample clearance when being placed on or removed from over the wellhead. The cover will be provided with vents to prevent accumulation of an explosive or flammable mixture of gasses. The cover will be provided with at least four (4) eyelets or other substantial means to facilitate placing and removing. Equipment used to place or remove the covering over the wellhead will be capable of lifting the cover and equipped with hooks or other substantial means to prevent the load from shifting during installation or removal. A substantial berm of spoil material will be placed around the cover to at least the height of the cover. In the event it becomes necessary to leave the wellhead covered for an extended period of time, a sign identifying the location of the wellhead will be placed in near proximity to the wellhead location.